

Title (en)  
IMPROVED OPENING ROLLER FOR OPEN END SPINNING MACHINES

Publication  
**EP 0049142 B1 19840620 (EN)**

Application  
**EP 81304460 A 19810928**

Priority  
GB 8031077 A 19800926

Abstract (en)  
[origin: US5005259A] A pinned opening roller for an open end spinning machine wherein the pinning pattern around the circumferential surface of the roller is provided by spaced pairs of rows of pins which may extend parallel to the rotational axis of the roller, the spacing between the pairs of rows being greater than the spacing between the rows in each pair and in any pair, the pins in one row being staggered relative to those in the other row. Preferably, for a 71/2" circumference roller approximately 1" wide the pins in each row are spaced 0.1" apart and the rows in a pair are 0.03" apart and there are 28 pairs of rows around the circumference. Preferably, the pins in one row of a pair are each spaced equidistant from their adjacent pins in the other row and the pins in the first row of each pair are helically arranged and those in the second row of each pair also extend helically around the circumference of the roller.

IPC 1-7  
**D01H 7/895**

IPC 8 full level  
**D01H 4/32** (2006.01)

CPC (source: EP US)  
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Cited by  
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CH DE GB IT LI

DOCDB simple family (publication)  
**EP 0049142 A1 19820407; EP 0049142 B1 19840620**; DE 3164325 D1 19840726; GB 2084619 A 19820415; GB 2084619 B 19830907; US 5005259 A 19910409

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**EP 81304460 A 19810928**; DE 3164325 T 19810928; GB 8031077 A 19800926; US 17560088 A 19880330